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MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURE

KWM020-B SERIES

Jameco Part Number 227782 (KWM020-09B)

- .FULL RANGE AC INPUT
- .TWO POLE USA PLUG
- .BUILT-IN EMI FILTER, LOW RIPPLE NOISE
- .FULLY ENCLOSED PLASTIC CASE
- 100% FULL LOAD BURN-IN TEST
- .SHORT CIRCUIT PROTECTED
- .OVER VOLTAGE PROTECTED
- .LOW COST / HIGH RELIABILITY
- .OPTIONAL OUTPUT CONNECTOR
- .APPROVALS:UL/CUL/CE

ORDER NO. / SPECIFICATION	KWM020-05B	KWM020-09B	KWM020-12B	KWM020-15B	KWM020-18B	KWM020-24B	KWM020-48B
SAFETY MODEL NO.	KWM020-1505	KWM020-1509	KWM020-1812	KWM020-1815	KWM020-1818	KWM020-1824	KWM020-1848
DC OUTPUT VOLTAGE	5V	9V	12V	15V	18V	24V	48V
OUTPUT V. TOLERANCE	±5%	±5%	±3%	±3%	±2%	±2%	±2%
OUTPUT RATED CURRENT	3A	1.67A	1.5A	1.2A	1A	0.75A	0.38A
OUTPUT CURRENT RANGE	0.5-3A	0.3-1.67A	0.3-1.5A	0.24-1.2A	0.2-1A	0.15-0.75A	0.04-0.38A
RIPPLE & NOISE	70mVp-p	90mVp-p	120mVp-p	150mVp-p	180mVp-p	240mVp-p	240mVp-p
LINE REGULATION	±1%						
LOAD REGULATION	±5%	±5%	±3%	±3%	±2%	±2%	±2%
DC OUTPUT POWER	15W	15W	18W	18W	18W	18W	18W
EFFICIENCY	74%	75%	78%	78%	80%	81%	82%
DC VOLTAGE RANGE	FIXED						
INPUT VOLTAGE RANGE	90~264VAC, 47~63Hz						
AC CURRENT	0.8A/115VAC						
INRUSH CURRENT	COLD START, < 30A PEAK/115VAC						
OVERLOAD PROTECTION	HICCUP MODE, RESET:AUTO RECOVERY						
OVER VOLTAGE PROTECTION	105%~145%						
OVER TEMP. PROTECTION	----------						
TEMP. COEFFICIENT	±0.04% / ◦C (0~50◦C)						
SETUP, RISE, HOLD UP TIME	800ms, 50ms, 12ms/115VAC						
VIBRATION	10~200Hz, 2G 10min./1cycle, PERIOD FOR 60min. EACH AXES						
WITHSTAND VOLTAGE	I/P-O/P:3KVAC 1min.						
ISOLATION RESISTANCE	I/P-O/P : 100M Ohms Min.@500VDC						
WORKING TEMP., HUMIDITY	0◦C~+30◦C @ 100% LOAD, +40◦C @ 60% LOAD; 20%~90% RH						
STORAGE TEMP., HUMIDITY	-20◦C~+85◦C, 10%~95% RH						
DIMENSION	74*50*41mm (L*W*H)						
WEIGHT; Q'TY/CARTON	0.165Kgs / 36PCS / CARTON						
SAFETY STANDARDS	UL1950, CSA22.2						
EMC STANDARDS	EN55022, IEC801-2,3,4, EN61000-3-2,3						
LENGTH OF OUTPUT CABLE	STANDARD CABLE:180cm OF SPT-1, 20AWG*2C(OPTION)						
PLUG OF DC OUTPUT	STANDARD PLUG:2.1¢*5.5¢*11mm, CENTER POSITIVE(OPTION)						

NOTE:
1. ALL PARAMETERS ARE SPECIFIED AT 115VAC INPUT, RATED LOAD, 25º C 70% RH. AMBIENT.
2. TOLERANCE: INCLUDE SET UP TOLERANCE, LINE REGULATION, LOAD REGULATION.
3. RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
4. LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
5. LOAD REGULATION IS MEASURED FROM 20% TO 100% RATED LOAD.

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